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1 [A Semantic Web ontology for context-based classification and retrieval of music resources](#)
[Alfio Ferrara, Luca A. Ludovico, Stefano Montanelli, Silvana Castano, Goffredo](#)
 August 2006 **Transactions on Multimedia Computing, Communication, and Applications (TOMCCAP)**, Volume 2 Issue 3

Publisher: ACM [Request Permissions](#)

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In this article, we describe the MX-Onto ontology for providing a Semantic Web compatible representation of music resources based on their context. This representation is realized by means of an OWL ontology that describes music resources and their information and ...

Keywords: Music classification, music retrieval, ontology-based music

2 [Compensation-aware data types in RDBMS](#)
[Aravind Yalamanchi, Dieter Gawlick](#)
 June 2009 **SIGMOD '09: Proceedings of the 35th SIGMOD international conference on Management of data**
Publisher: ACM [Request Permissions](#)

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In a traditional database system, the transaction management protocols and mechanisms are constrained by the fundamental properties of atomicity, isolation, and durability (ACID). A transaction management system with properties ...

Keywords: and constraints, business transactions, compensation, concurrency

3 [Yago: a core of semantic knowledge](#)
[Fabian M. Suchanek, Gjergji Kasneci, Gerhard Weikum](#)
 May 2007 **WWW '07: Proceedings of the 16th international conference on World Wide Web**
Publisher: ACM

 Full text available: [Pdf](#) (222.36 KB) Additional Information: [full citation](#), [abstract](#), [references](#)
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We present YAGO, a light-weight and extensible ontology with high coverage and quality. YAGO builds on entities and relations and currently contains more than 100 million entities and 5 million facts. This includes the *Is-A* hierarchy as well as n


Keywords: WordNet, wikipedia

4 [HydroJ: object-oriented pattern matching for evolvable distributed systems](#)

 Keunwoo Lee, Anthony LaMarca, Craig Chambers

November 2003 **OOPSLA '03**: Proceedings of the 18th annual ACM SIGPLAN Conference on Object-oriented programming, systems, languages, and applications

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In an evolving software system, components must be able to change independently while remaining compatible with their peers. One obstacle to independent evolution is the *brittle parameter problem*: the ability of two components to communicate.

Keywords: HydroJ, XML, distributed systems, dynamic dispatch, object-oriented programming, pattern matching, semi-structured data, software evolution, distributed computing

Also published in:

November 2003 **SIGPLAN Notices** Volume 38 Issue 11

5 [Practical pluggable types for java](#)

 Matthew M. Papi, Mahmood Ali, Telmo Luis Correa, Jr., Jeff H. Perkins, Michael J. Heule
July 2008 **ISSTA '08**: Proceedings of the 2008 international symposium on Software Testing and Analysis

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Full text available:  [Pdf](#) (344.58 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 8, Downloads (12 Months): 84, Citation

This paper introduces the Checker Framework, which supports adding plug-in type systems to the Java language in a backward-compatible way. A type system defines type qualifiers and their semantics, and a compiler plug-in enforces the semantics. ...

Keywords: annotation, bug finding, case study, compiler, flow sensitivity, immutable, intern, java, javac, javari, nonnull, pluggable type, polymorphic type qualifier, type system, verification


6 [Automated data-member layout of heap objects to improve memory-access performance](#)

 Thomas Kistler, Michael Franz

May 2000 **Transactions on Programming Languages and Systems (TOPLAS)**

22 Issue 3

Publisher: ACM  [Request Permissions](#)


Full text available:  [Pdf](#) (220.88 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#), [review](#)

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We present and evaluate a simple, yet efficient optimization technique to improve memory-hierarchy performance for pointer-centric applications by up to 35%. This is achieved by selecting an ordering ...

Keywords: dynamic optimization, dynamic data structures, memory-hierarchy optimization

7 [An OAI data provider for JEMS](#)

 [Diego Fraga Contessa](#), [José Palazzo Moreira de Oliveira](#)

October 2006 **DocEng '06**: Proceedings of the 2006 ACM symposium on Document engineering

Publisher: ACM  [Request Permissions](#)

Full text available:  [Pdf](#) (257.61 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 1, Downloads (12 Months): 16, Citation

Effective scientific activity requires the open publication and diffusion of research results and easy access to the research results. Digital libraries aim to simplify this process by using the Open Archives Initiative associated with the ...


Keywords: JEMS, OAI, XML, data provider, digital libraries, metadata

8 [XQuery implementation in a relational database system](#)

[Shankar Pal](#), [Istvan Cseri](#), [Oliver Seeliger](#), [Michael Rys](#), [Gideon Schaller](#), [Wojciech Tomic](#), [Adrian Baras](#), [Brandon Berg](#), [Denis Churin](#), [Eugene Kogan](#)

August 2005 **VLDB '05**: Proceedings of the 31st international conference on Very large databases


Publisher: VLDB Endowment

Full text available:  [Pdf](#) (317.03 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

Bibliometrics: Downloads (6 Weeks): 9, Downloads (12 Months): 90, Citation


Many enterprise applications prefer to store XML data as a rich data type sequence of bytes, in a relational database system to avoid the complexity of decomposing the data into a large number of tables and the cost of reaccessing XML data. ...

9 [The ADEPT digital library architecture](#)

 [Greg Janée](#), [James Frew](#)

July 2002 **JCDL '02**: Proceedings of the 2nd ACM/IEEE-CS joint conference on Digital libraries

Publisher: ACM  [Request Permissions](#)


Full text available:  [Pdf](#) (263.61 KB) Additional Information: [full citation](#), [abstract](#), [reference terms](#)

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The Alexandria Digital Earth ProtoType (ADEPT) architecture is a framework distributed digital libraries of georeferenced information. An ADEPT system consists of one or more autonomous libraries, each of which provides a uniform interface to the information.

Keywords: bucket framework, collection discovery, distribution, interoperability, metadata

10 Efficient integration of web services with distributed data flow and access control

 David Liu, Jun Peng, Kincho H. Law, Gio Wiederhold

March 2004 **ICEC '04: Proceedings of the 6th international conference on E-commerce**

Publisher: ACM


Full text available:  Pdf (254.77 KB) Additional Information: [full citation](#), [abstract](#), [references](#)

Bibliometrics: Downloads (6 Weeks): 5, Downloads (12 Months): 55, Citation

This paper presents a loosely coupled service-composition paradigm. The paradigm employs a distributed data flow that differs markedly from centralized information flows adopted by current service integration frameworks, such as CORBA, J2E


Keywords: active mediation, direct data transmission, handheld service integration, web services

11 Progressive skyline computation in database systems

 Dimitris Papadias, Yufei Tao, Greg Fu, Bernhard Seeger

March 2005 **Transactions on Database Systems (TODS)**, Volume 30 Issue 1

Publisher: ACM  [Request Permissions](#)

Full text available:  Pdf (913.10 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [terms](#), [review](#)




Bibliometrics: Downloads (6 Weeks): 22, Downloads (12 Months): 189, Citation

The skyline of a d -dimensional dataset contains the points that are not dominated by any other point on all dimensions. Skyline computation has recently received considerable attention in the database community, especially for progressive methods ...

Keywords: Skyline query, branch-and-bound algorithms, multidimensional query methods

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